D 1 1/2 Ol. 1... ATT. 4... 25 TIOO 0110

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name. I believe I am a original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: Method and System for Increasing RF Bandwidth and Beamwidth in a Compact Volume, the specification of which was filed with the U.S. Patent and Trademark Office on February 16, 2001 and assigned U.S. Serial No. 09/785,032.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I do not know and do not believe that the same was ever known or used by others in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to the date of this application. I further state that the invention was not in public use or on sale in the United States of America more than one year prior to the date of this application. I understand that I have a duty of candor and good faith toward the Patent and Trademark Office, and I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of the foreign application(s) for patent or inventor's certificate listed below, and have also identified below any foreign application for patent or inventor's certificate disclosing subject matter in common with the above-identified specification and having a filing date before that of the application on which priority is claimed:

| Application No. | Country | Filing Date | Priority | Claimed Under 3: | 08C 8119 | |
|--|--|--|-------------------------|--------------------|-------------------------------------|--|
| None | | | Yes | No | <u>x</u> | |
| I hereby claim the b listed below: | enefit under Titl | e 35, United States Code | , § 119(e) of any Unite | d States provision | nal application(s) | |
| (Application No. |) (I | Filing Date) | (Application No.) | (F i | ling Date) | |
| I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter disclosed and claimed in the present application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application: | | | | | | |
| Application Ser | ial No. | Filing Date | Status: patented, | pending, abando | <u>ned</u> | |
| None | | | | | | |
| information and bel | ief are believed ents and the like d States Code, an | s made herein of my ow to be true; and further so made are punishable and that such willful false s | that these statement we | ere made with the | e knowledge that Section 1001 of | |
| the Detent and Trad | emark Office co | owing are hereby appoints onnected therewith: Shers-38,913; Steven P. Wig | rv M. Knowles-33.052 | : w. Scott Petty- | 35.645; Clark G. | |
| Send correspondenc | e to: King & | Spalding, Customer No. chtree Street, N.E., 45th F | 20786 Direct tel | ephone calls at (4 | 04) 572-4600 | |
| | Atlanta, | Georgia 30303 | 1001 | Steven P. Wig | more, Esq. | |
| Full name of first | inventor: Jame | s C. Carson | Citiz | enship: U.S. | | |
| Inventor's signatur | re C. Ca_ | | Dat 3 | 129/01 | | |
| Residence and Post Office Address: 5350 Maltdie Court, Sugar Hill, Georgia 30518 | | | | | | |
| | | | | | e 1 of 3 | |
| | | | | | | |

DECLARATION AND POWER OF ATTORNEY - Attorney's Docket No. 36935.105027

In re Application of: James C. Carson, James K. Tillery and Sara Phillips

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name. I believe I am a original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: Method and System for Increasing RF Bandwidth and Beamwidth in a Compact Volume, the specification of which was filed with the U.S. Patent and Trademark Office on February 16, 2001 and assigned U.S. Serial No. 09/785,032.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I do not know and do not believe that the same was ever known or used by others in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to the date of this application. I further state that the invention was not in public use or on sale in the United States of America more than one year prior to the date of this application. I understand that I have a duty of candor and good faith toward the Patent and Trademark Office, and I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of the foreign application(s) for patent or inventor's certificate listed below, and have also identified below any foreign application for patent or inventor's certificate disclosing subject matter in common with the above-identified specification and having a filing date before that of the application on which priority is claimed:

| date before that of th | e application on | which priority is claime | d: | | | | | |
|--|--|---|--|---|---|--|--|--|
| Application No. | Country | Filing Date | <u>Priority</u> | Priority Claimed Under 35 USC §119 | | | | |
| None | | | Yes | No | <u>X</u> | | | |
| I hereby claim the b listed below: | enefit under Tit | le 35, United States Coo | le, § 119(e) of any Unit | ed States provision | nal application(s) | | | |
| (Application No. | pplication No.) (Filing Date) | | (Application No.) | (F | (Filing Date) | | | |
| insofar as the subject application in the material | t matter disclose anner provided be information as | ed and claimed in the property the first paragraph of defined in Title 37, Co | e, §120 of any United States esent application is not a Title 35, United States (de of Federal Regulational or PCT international f | disclosed in the p Code §112, I ackr ons, §1.56 which | rior United States nowledge the duty became available | | | |
| Application Seri | al No. | Filing Date | Status: patented | l, pending, abando | ned | | | |
| None | | | | | ··· | | | |
| information and beli | ief are believed nts and the like d States Code, a | to be true; and further so made are punishable | wn knowledge are true r that these statement w e by fine or imprisonme statements may jeopard | ere made with the | e knowledge that r Section 1001 of | | | |
| the Patent and Trade | emark Office co | onnected therewith: She | ted to prosecute this apperry M. Knowles-33,052 gmore-40,447; Charles | 2; W. Scott Petty- | -35,645; Clark G. | | | |
| Send correspondence | e to: King & | Spalding, Customer No achtree Street, N.E., 45th | o. 20786 Direct tel | lephone calls at (4 | 04) 572-4600 | | | |
| | | Georgia 30303 | 11001 | Steven P. Wigmore, Es | | | | |
| Full name of secon | d inventor: Ja | mes K. Tillery | Citiz | zenship: U.S. | | | | |
| Inventor's signatur | e Ja- | Kjilly | Dat | e: 3-29- | 01 | | | |
| Residence and Pos | Office Addre | ss: 1032 Camden Land | e, Woodstock, Georgia | a 30189 | | | | |

Page 2 of 3

DECLARATION AND POWER OF ATTORNEY - Attorney's Docket No. 6935.105027

In re Application of: James C. Carson, James K. Tillery and Sara Phillips

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name. I believe I am a original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: Method and System for Increasing RF Bandwidth and Beamwidth in a Compact Volume, the specification of which was filed with the U.S. Patent and Trademark Office on February 16, 2001 and assigned U.S. Serial No. 09/785,032.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I do not know and do not believe that the same was ever known or used by others in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to the date of this application. I further state that the invention was not in public use or on sale in the United States of America more than one year prior to the date of this application. I understand that I have a duty of candor and good faith toward the Patent and Trademark Office, and I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of the foreign application(s) for patent or inventor's certificate listed below, and have also identified below any foreign application for patent or inventor's certificate disclosing subject matter in common with the above-identified specification and having a filing date before that of the application on which priority is claimed:

| date before that of the | application of | which priority is class | uneu. | | | | |
|--|--|---|------------------------------------|--|---|------------------------------------|--|
| Application No. | Country | Filing Date | | Priority Claimed Under 35 USC §119 | | | |
| None | | | | Yes | No | X | |
| I hereby claim the ber listed below: | nefit under Ti | tle 35, United States | Code, § 119(e) | of any United | States provision | nal application(s) | |
| (Application No.) | | Filing Date) | (Appl | ication No.) | | iling Date) | |
| I hereby claim the ben insofar as the subject a application in the man to disclose material ir between the filing date | matter disclos ner provided iformation as | ed and claimed in the by the first paragraph defined in Title 37. | of Title 35, U. Code of Feder | ation is not dis- nited States Coo ral Regulations | closed in the pr de §112, I ackno 81 56 which 1 | ior United States owledge the duty | |
| Application Serial | No. | Filing Date | Sta | tus: patented, p | ending, abandoi | ned | |
| None | | | | | | | |
| I further declare that information and belief willful false statement Title 18 of the United S any patents issuing the | are believed s and the like States Code, a | to be true; and furt | ther that these able by fine or | statement were | made with the | knowledge that | |
| POWER OF ATTORN the Patent and Traden Sullivan-36,942; Holm 44,977. | iark Office co | onnected therewith: | Sherry M. Kno | owles-33 052+ \ | W Scott Petty_ | 35 645. Cloth G | |
| Send correspondence to | 191 Pea | Spalding, Customer schtree Street, N.E., 49 Georgia 30303 | No. 20786 5 th Floor | Direct telepl | none calls at (40 Steven P. Wig | • | |
| Full name of third in | ventor: Sara | Phillips | | Citizen | ship: U.S. | | |
| Inventor's signature | | DA An. 3 | | Date: | 01 - 1 | | |
| | Sara | Phillips | | Dutc. | 3/29/0 | 1 | |
| Residence and Post C | Office Addres | ss: 4180 Ancroft C | ircle, Norcros | s, Georgia 30 | 092 | | |